

# Dell™ Latitude ON™ Flash Remote Management IT Administrator's Guide

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NOTE: Latitude ON and Precision ON are used interchangeably depending upon the system. In this document, we use the term *Latitude ON* to refer to both the *Latitude ON* and *Precision ON* features.

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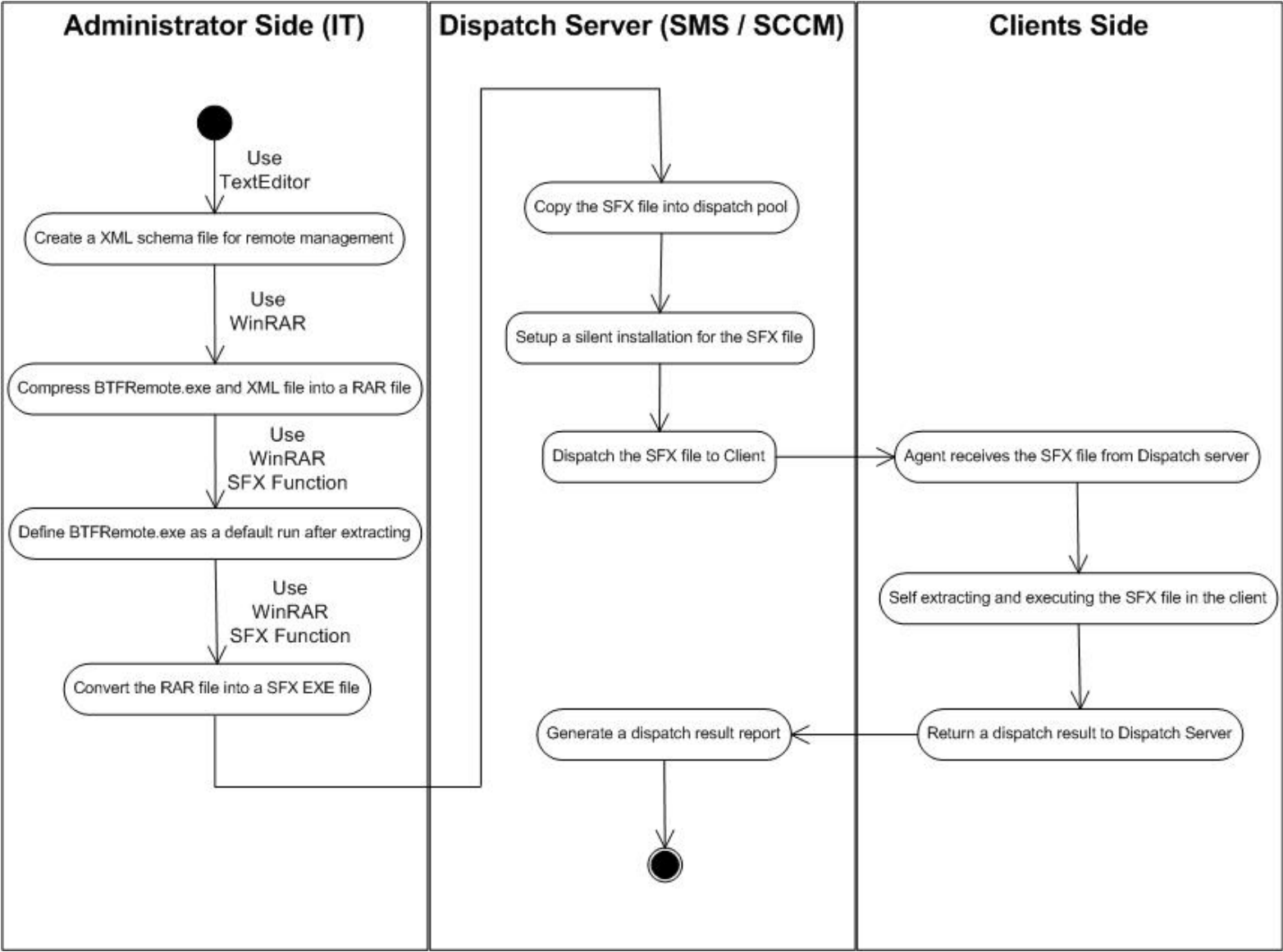
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# Overview

This document provides information about the following Latitude ON Flash remote management features:

- Pushing Latitude ON Flash updates to the users
- Enforcing periodic password updates
- Choosing the desired configuration settings

The general process for remotely configuring the settings of your Latitude ON Flash is shown below.



# Writing XML Configuration Files

Latitude ON Flash allows you to remotely configure the settings using XML. This section of the document provides a few sample XML codes for remote configuration.



**NOTE:** You must write the XML commands using a text editor before you start configuring Latitude ON Flash.

## ChangeAllUserPassword.xml

The following code allows you to ensure that all the users change their passwords at first log in, after the remote settings are dispatched:

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <allUser action="changeUser"></allUser>
  </cmd>
</cmdstore>
```

## ChangeUserPassword.xml

The following code allows a specific user to change his/her password:

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <allUser action="changeUser"></allUser>
  </cmd>
</cmdstore>
```

If the statement `<singleUser action="changePassword" user="User">` above is changed to `<singleUser action="changePassword" user="User1">`, then the user of the **User1** account will be asked to change his password the next time he logs into the system.

## DeleteAllUsers.xml

The following code deletes all users (except the default user):

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="
DVMRemoteCmd.xsd">
  <cmd>
    <allUser action="deleteUser"></allUser>
  </cmd>
</cmdstore>
```

## DeleteUser.xml

The following code deletes a specific user account (User):

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <singleUser action="deleteUser" user="User"></singleUser>
  </cmd>
</cmdstore>
```

In the above example, the line `<singleUser action="deleteUser" user="User"></singleUser>` deletes the user account **User**. To delete another user account, replace **User** with the user account to be deleted.

## ConfigBattery.xml

The following code allows you to configure the power settings:

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <configPassword interval="10"></configPassword>
  </cmd>
  <cmd>
    <configPower>
      <battery backlight="1" poweroff="5"></battery>
      <acpower backlight="5" poweroff="10"></acpower>
    </configPower>
  </cmd>
</cmdstore>
```

In the above example:

- The statement `<configPassword interval="10">` ensures that the user changes the password every 10 days.
- The statement `<battery backlight="1" poweroff="5">` puts Latitude ON Flash in sleep mode if there is no activity for more than a minute (when the computer is using battery power) and forces a Power Off after five minutes of inactivity.
- The statement `<acpower backlight="5" poweroff="10">` puts Latitude ON Flash in sleep mode after five minutes of inactivity and will Power Off after ten minutes of inactivity, when the computer is on AC power.

## ConfigPassword.xml

The following code allows the user to change his/her password:

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <configPassword interval="10"></configPassword>
  </cmd>
</cmdstore>
```

The statement `<configPassword interval="10">` will force the user to change his/her password every ten days.

## ResetAllUsers.xml

The following code allows you to reset original default status for all accounts.

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <allUser action="resetUser"></allUser>
  </cmd>
</cmdstore>
```

## ResetUser.xml

The following code allows you to reset original default status for specific accounts.

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <singleUser action="resetUser" user="User"></singleUser>
  </cmd>
</cmdstore>
```

If the `<singleUser action="resetUser" user="User">` statement above is changed to `<singleUser action="resetUser" user="abcd.efgh">`, then the **abcd.efgh** account will be reset to its initial default status.

## MultiCommands.xml

You can run multiple commands in an XML file. The following example shows that you can reset multiple individual users back to their initial default status; and in the same file you can specify that other individual multiple users will be notified that they must change their passwords.

```
<?xml version="1.0" encoding="utf-8"?>
<cmdstore xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=" DVMRemoteCmd.xsd">
  <cmd>
    <singleUser action="resetUser" user="User1"></singleUser>
  </cmd>
  <cmd>
    <singleUser action="resetUser" user="User2"></singleUser>
  </cmd>
  <cmd>
    <singleUser action="changePassword" user="abcd.efgh"></singleUser>
  </cmd>
  <cmd>
    <singleUser action="changePassword" user="ijkl.mnop"></singleUser>
  </cmd>
</cmdstore>
```

In the above example, the **"User1"** and **"User2"** accounts will be reset, and the **"abcd.efgh"** and **"ijkl.mnop"** accounts will be notified that they must change their password.

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# Preparing Self-Extracting (SFX) Files for Software Dispatch

Due to the fact that neither Microsoft® Systems Management Server (SMS) nor Microsoft® System Center Configuration Manager (SCCM) can dispatch the XML configuration file, you must package the individual BTFRemote.exe, XML Configuration file, and XML Schema file into a compressed file using, for instance, WinRAR or WinZip software.

The example below lists the steps to create a self-extracting executable SFX file program (.exe) using WinRAR. NOTE: The exact user interface of WinRAR may vary depending on your version of WinRAR.

1. In the **File Explorer** window, select each file to be included in the SFX archive for dispatching. For example, let's assume you select files named **BTFRemote.exe**, **ChangeAllUsersPassword.xml**, and **DVMRemoteCmd.xsd**.
2. Right-click on the group of files. In the right-click pop-up menu, select the **Add to archive...** command.
3. A dialog box opens which (among many other options) lets you:
  - Assign a filename (by default, the parent folder name is used).
  - Select the RAR archive format.
  - Select the desired Archiving Options.
4. Click **OK** to create the **.rar** file.
5. Double-click on the newly-created **.rar** archive file.
6. Click the **SFX** icon in the Toolbar of the **WinRAR** window.
7. In the dialog box that opens, click the **Advanced SFX options...** button.
8. In the **Advanced SFX Options** dialog box, select the **Create in the current folder** button.
9. In the **Setup program/Run after extraction** field, enter the name of the **.exe** file (which, in this example, would be **BTFRemote.exe**).
10. Click **OK**. You will then see that the **.exe** (self-extracting) file has been created. Use this file in the SMS or SCCM server to dispatch the Latitude ON Flash configuration settings.



NOTE: It is important to remember that the SFX self-extracting **.exe** file must be set up as a *silent installation*. The command to do this must be entered in the **Command line** field of the **Program Properties** dialog box. The first part of the command consists of the **.exe** command name, and is followed by the options **/s /v"qn**. So, for example, if the SFX file you created is named **Dispatch.exe**, then the command to push it for silent installation would be:

**Dispatch.exe /s /v"qn**

# Upgrading Latitude ON™ Flash to Clients Remotely

The System Administrator can update selected clients, or all clients, to a new version of Latitude ON Flash, remotely and transparently to the users. This can be done using the Microsoft® SMS (Systems Management Server) software delivery service. You must set the upgrade to run silently.

When upgrading, the Administrator can choose to:

- Preserve all the user's specific current settings
- Preserve all basic accounts but re-set the user settings
- Delete all accounts and treat the upgrade as a new installation

This is accomplished with the following command line parameters. The desired command must be entered into the **Command line** field of the *Program Properties* dialog box (*General* tab).

**Setup.exe /s /v"qn MODE=X"**  
where **X** is the mode number.

1. **MODE=1** is the default value, if no value is assigned. This command line would upgrade to a newer version of Latitude ON Flash and would retain all user data.
2. **MODE=2** retains all existing accounts and passwords, but it will clear all other user data when updating Latitude ON Flash.
3. **MODE=3** deletes all accounts and treats the Latitude ON Flash upgrade as a new installation.

# Reference A: XML Schema for Latitude ON™ Flash

The following is provided for your reference.

DVM Remote Command XSD file (**DVMRemoteCMD.xsd**)

```
<?xml version="1.0" encoding="utf-8" ?>
<xs:schema elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="dvmCmd">
    <xs:restriction base="xs:string">
      <xs:enumeration value="deleteUser" />
      <xs:enumeration value="resetUser" />
      <xs:enumeration value="changePassword" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="cmdType">
    <xs:choice>
      <xs:element name="singleUser">
        <xs:complexType>
          <xs:attribute name="action" type="dvmCmd" use="required" />
          <xs:attribute name="user" type="xs:string" use="required" />
        </xs:complexType>
      </xs:element>
      <xs:element name="allUser">
        <xs:complexType>
          <xs:attribute name="action" type="dvmCmd" use="required" />
        </xs:complexType>
      </xs:element>
      <xs:element name="configPassword">
        <xs:complexType>
          <xs:attribute name="interval" type="xs:unsignedInt" use="required" />
        </xs:complexType>
      </xs:element>
      <xs:element name="configPower">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="battery">
              <xs:complexType>
                <xs:attribute name="backlight" type="xs:unsignedInt" use="required" />
                <xs:attribute name="poweroff" type="xs:unsignedInt" use="required" />
              </xs:complexType>
            </xs:element>
            <xs:element minOccurs="1" maxOccurs="1" name="acpower">
              <xs:complexType>
                <xs:attribute name="backlight" type="xs:unsignedInt" use="required" />
                <xs:attribute name="poweroff" type="xs:unsignedInt" use="required" />
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:choice>
  </xs:complexType>
  <xs:complexType name="cmdstoreType">
    <xs:sequence minOccurs="1" maxOccurs="unbounded">
      <xs:element name="cmd" type="cmdType" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="cmdstore" type="cmdstoreType" />
</xs:schema>
```



